Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	06/19/2018 09:47 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	05/12/2018 04:21 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80291	Expiration Date:	02/29/2020
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	122991	-2	1.60	123029	1.56
Blue	F	SSC	125000	123690	-2	1.43	124285	1.39
Blue	E	FITC	15760	15261	-4	2.95	328	22.91
Blue	D	PE	25880	25400	-2	1.90	551	17.06
Blue	B	PerCP-Cy5-5	34075	33712	-2	4.24	1038	22.76
Blue	A	PE-Cy7	22776	22873	0	7.69	560	46.31
Red	C	APC	42488	41584	-3	2.70	1574	13.48
Red	A	APC-Cy7	24478	24117	-2	2.91	842	12.92
Violet	B	V450	6304	6108	-4	4.03	413	16.43
Violet	A	V500	26005	24783	-5	3.63	598	13.30

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	20367	6.98	606	9	N/A	N/A	Pass
Blue	F	SSC	56421	1.12	572	17	N/A	N/A	Pass
Blue	E	FITC	57	75.94	561	5	0.0152	197	Pass
Blue	D	PE	115	57.86	556	7	0.1200	276	Pass
Blue	B	PerCP-Cy5-5	197	57.19	655	8	0.0074	129	Pass
Blue	A	PE-Cy7	108	113.60	709	12	0.0085	21	Pass
Red	C	APC	375	28.51	601	1	0.0195	155	Pass
Red	A	APC-Cy7	206	28.45	572	1	0.0047	1009	Pass
Violet	B	V450	88	53.76	491	2	0.0217	1876	Pass
Violet	A	V500	94	47.38	507	1	0.0133	1656	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.14	-30.70	0.98
Blue	20.34	16.27 - 24.41	1.25	0.99 - 1.49	0.00	0.00	1.41
Red	16.20	13.60 - 20.40	N/A	N/A	30.60	31.09	1.20

Window Extension: 7.00
FSC Area Scaling Factor: 0.91

Threshold

Threshold (FSC): 9561

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments